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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **98-012 US**
First Inventor or Application Identifier **DEVANEY, THOMAS**
Title **DISPLAY SCREEN CLEANING TOOL**
Express Mail Label No. **E1247876440 US**

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **18**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **3**]
INFORMAL
4. Oath or Declaration [Total Pages **2**]
 - a. ☒ **UNSIGNED**
Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee) ☐ Attorney
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☒ * Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. ☐ Other: **2 CHECKS**
a) \$395
b) \$104

***NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

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or ☒ Correspondence address below

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Signature	Robert A. Pajak	Date	7 NOV '98

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

FEE TRANSMITTAL

Note: Effective October 1, 1997,
Patent fees are subject to annual revision

COMPLETE IF KNOWN

TOTAL AMOUNT OF PAYMENT (\$499.00)

Application Number	
Filing Date	Herewith
First Named Inventor	Thomas W. Devaney
Group Art Unit	
Examiner Name	
Attorney Docket No.	98-012 US

METHOD OF PAYMENT (check one)

FEE CALCULATION (continued)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number

Deposit Account Name

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 & 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

Fee Calculation

1. Filing Fee		Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$	Fee Code	Fee \$		
101	790	201	395			Utility Filing Fee	395.00
106	330	206	165			Design Filing Fee	
107	540	207	270			Plant Filing Fee	
108	790	208	395			Reissue Filing Fee	
114	150	214	75			Provisional Filing Fee	
Subtotal (1)							(\$ 395.00)

2. Claims

Total Claims	Extra	Fee from below	Fee Paid
22	-20 =	2	11.00
5	-3 =	2	41.00
Multiple Dependent Claims			

Large Entity		Small Entity		Fee Description
Fee Code	Fee \$	Fee Code	Fee \$	
103	22	203	11	Claims in excess of 20
102	82	202	41	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
109	82	209	41	Reissue independent claims over original patent
110	22	210	11	Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$ 104.00

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee \$	Fee Code	Fee \$		
105	130	205	65	Surcharge - Late Filing Fee	
127	50	227	25	Surcharge - Late provisional filing fee or cover sheet	
139	130	139	130	Non-English Specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner Action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner Action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	950	217	475	Extension for reply within third month	
118	1,510	218	755	Extension for reply within fourth month	
128	2,060	228	1,030	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for Oral Hearing	
138	1,510	138	1,510	Petition to institute a public use hearing	
140	110	240	55	Petition to revive - unavoidable	
141	1,320	241	660	Petition to revive - unintentional	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to Provisional applications	
126	240	126	240	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify)

Other fee (specify)

* Reduced by Basic Filing Fee Paid

Subtotal (3) (\$)

SUBMITTED BY

Typed or Printed Name ROBERT A. PAJAK
14234 Naples St. NE, Ham Lake, MN 55304

Signature *Robert A. Pajak* Date 11/4/98

COMPLETE IF APPLICABLE

Registration Number 29,335

Deposit Account

IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

PATENT

Ham Lake, Minnesota

Applicant - Thomas W. Devaney Group -
Serial No. - Examiner -
Filed - Atty. Docket No. -
For - **DISPLAY SCREEN CLEANING TOOL**

CERTIFICATE OF MAILING VIA EXPRESS MAIL

Honorable Commissioner of Patents and Trademarks

Washington D.C. 20231

Dear Sir:

I hereby certify that the attached application consisting of:

- 1) a SPECIFICATION of 18 pages, including 22 claims;
- 2) 3 sheets of INFORMAL DRAWINGS, including Figures 1-3;
- 3) DECLARATION AND POWER OF ATTORNEY;
- 4) TRANSMITTAL LETTER authorizing the amount of \$ from Deposit Account 08-2727
- 5) A CHECK in the amount of \$395.00;
- 6) Verified Statement claiming small entity status.
- 7) FEE TRANSMITTAL FORM
- 8) A return card.

is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed as indicated above under "Express Mail To Addressee" Label No. **EI247876440US**.

Respectfully submitted,



Robert A. Pajak
Reg. No. 29,335

Label No. **EI247876440US**

Dated: 4 November 1998

**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR**

Docket Number (Optional)

98-012 US

Applicant, Patentee, or Identifier: THOMAS W. DEVANEY

Application or Patent No.: _____

Filed or Issued: _____

Title: DISPLAY SCREEN CLEANING TOOL

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☒ the specification filed herewith with title as listed above.
☐ the application identified above.
☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ No such person, concern, or organization exists.
☐ Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

THOMAS W. DEVANEY

NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

Signature of inventor

Signature of inventor

Signature of inventor

Date

Date

Date

DISPLAY SCREEN CLEANING TOOL

FIELD OF THE INVENTION

The present invention relates generally to cleaning tools for electronic display
5 screens, and more specifically to cleaning tools for computer display screens and the like.

BACKGROUND OF THE INVENTION

Computer monitors, and more generally, electronic display screens, are in wide
use as a result of the "boom" in the quantity of personal computers for both business
and home use. Such display screens include both those which commonly have a glass
10 surface, or the flat panel display screens commonly employed with laptop computers
which are plastic-like or other materials for providing the display's active matrix screens
and the like. Commonly, such display screens generally have an optical grade surface
for providing minimally distorted visual information.

These display screens (i.e., the monitor) generally act as a collector for dust
15 particles, as well as being marred by touching the display screen by the user or on-
lookers. This is of course necessitates the need for cleaning the display screen without
any degradation of the surface of the display screen resulting from cleaning or wiping the
screen with a cleaning tool, such as a common rag. The same is true for television
display screens, since both are generally made from glass. However, advancements in
20 the art of computer monitors have made them increasingly more vulnerable to improper
maintenance, since they are constructed so as to minimize glare and therefore of
different construction than common TV monitors.

Employment of a non-optical grade "wiping rag" material for wiping a display screen may have deleterious effects upon the display screen - i.e., marring or scratching the surface. This is so since common cleaning "rags" of differing materials may be too abrasive and cause damage to the display screen. Handkerchiefs, scrap cloth from wash and wear fabrics and the like, used for wiping a display screen may be scratch or be harmful to the display screen since such materials are commonly made from synthetic fibers which may have abrasive properties deleterious to the optical grade display screen.

Thus there is a need for a cleaning tool for cleaning display screens which is safe for cleaning or wiping the display screen while minimizing any display screen degradation resulting from the wiping of the screen therewith. Of course, the screen could be cleaned with optical lens paper cleaners. However, use of such cleaners on large monitors is impractical, as well as very costly. Furthermore, such materials may contain wood particles which may be harmful to the optical grade display screens with repeated use for cleaning and wiping the display screen.

As a second consideration, it is desired to have a display screen cleaning tool which is conveniently accessible, particularly for computer monitors, and which is pleasant to the eye as it sits on a desk or the like, or the monitor itself.

SUMMARY OF THE INVENTION

An object of the present invention is to provide a display screen cleaning tool, which minimizes any degradation to the display screen surface as a result of wiping the screen.

Another object of the present invention is to provide a display screen cleaning tool, which is pleasant to the eye and easily, manufactured.

In accordance with the present invention, an optical grade chamois like fabric is employed as a display screen cleaning tool. In one embodiment of the invention, an optical grade chamois like fabric is utilized, at least in part, to form a body having an inner chamber capable of being filled with a stuffing material so as to form a three dimensional doll-like figure, and an outer surface for wiping the display screen. In the preferred embodiment of the invention, the three dimensional doll-like figure is a soft bellied figure of an animal or the like where the belly of the figure is comprised of chamois. In another embodiment of the invention, the display screen cleaning tool is embodied in a pocket style configuration for permitting the insertion of fingers therein to facilitate the cleaning tool.

BRIEF DESCRIPTION OF THE DRAWINGS

Figures 1a, 1b, and 1c are plan views of a display screen cleaning tool embodied in a pocket style configuration.

Figure 2 is an exemplary representation of a three dimensional stuffed doll-like figure sitting on a computer monitor.

Figure 3 is a plan view of the stuffed doll-like figure of Figure 2.

DETAILED DESCRIPTION OF THE INVENTION

Illustrated in Figures 1a, 1b, and 1c are differing plan views of a display screen cleaning tool embodied in a pocket style configuration in accordance with the present invention. Figure 1a illustrates a generally disc-shaped strip or piece of fabric material

100. Figures 1b and 1c illustrate an assemblage of semi-circular strips of fabric material 110a and 110b so as to form a general disc-shape of material generally indicated by numeral 125 opposite circular strip 100. Strips 110a and 110b include a semicircular arcuate edge 112a and 112b, and straight edge 115a and 115b, respectively along the diameter thereof.

The circumferential edge of strip 100 and the arcuate edges 112a and 112b of strips 110 and 120 are seamed together so as to generally form a disc-shaped body 190 having an inner chamber or pocket comprised of opposing disc-shaped strip 100 and the pair of semicircular-shaped strips 110a and 110b so that straight edges 115a and 115b are aligned with each other in a relaxed condition. Strips 110a and 110b include edge stitching or seaming, generally indicated by the letter "x" in the drawing, as is common practice for hiding the rough edges of fabric strips as is well known in the art of sewing.

In accordance with the present invention, strips 110a and 110b are sewed together, in part, near the juncture of the circumferential edge of strip 100 and the arcuate and straight line edge common points of the semi-circular strips, generally indicated by numeral 180, so as create a pocket access generally along the straight line edge or diameter of the semi-circular strips as is generally indicated by numeral 190 in Figure 1c. Portions of the straight edge of strips 110a and 110b may be sewn together as is generally indicated by the letter "X," at or around the peripheral portions of the strips so as to strengthen the pocket and provide an aesthetically pleasing and tailored disc-shaped body 190. In the preferred embodiment of the invention, strip 100 is a

THE DIAMETER OF THE DISC SHAPED BODY IS INTENDED TO BE EQUAL OR LIKE THAT OF A CONVENTIONAL COMPACT DISC, and of THICKNESS TO BE ADJUSTED WITHIN A CONVENTIONAL COMPACT DISC PLASTIC fabric material known simply as chamois as will be subsequently described. Strips 110a and 110b may be like material or differing materials and colors as desired. PACKAGE OR CASE, NOT SHOWN

Illustrated in Figure 2 is an exemplary representation of a three dimensional stuffed doll-like figure 200, in accordance with the present invention, sitting on a computer monitor 210 having a display screen 210. Figure 3 is a plan view of the doll-like figure 200 illustrating the display screening tool of the present invention.

Referring to Figures 2 and 3, the exemplary doll-like figure 200 is in the shape of a mouse having many body members including ears 202 and 204, legs 206, 208, 210, and 212, tail 214, and head 220. The doll-like figure 200 is constructed from a plurality of strips of fabric material so to create a three-dimensional mouse like figure. The assemblage of strips are sewn together in accordance with stuff or under-stuffed toy sewing techniques well known in the art so as to form one or more chambers or pockets for containing stuffing material. The assemblage may be constructed in a manner in which only one chamber is created so as to contain stuffing material. Alternatively, the doll-like figure may be constructed to have several different chambers so as to hold either the same or differing stuffing material. Preferably, the chamber which includes an outer surface of chamois-like material may be "under-stuffed" in a manner in the art of "under-stuffed" doll-like figures, e.g., "Beanie Babies."

For example, the head 220 may be filled with cotton or polyester fiber. The ears may be empty chambers or simply a single layer of material. The main body or torso and legs may be filled with a "bean like" substance, either alone or in combination with a soft material, to provide differing feel to the touch as desired. In the preferred embodiment of the invention, the doll-like figure is preferably includes some "bean-like

material so as to have sufficient weight to stay in position on a ledge or the like of office type equipment, and more specifically a computer monitor as illustrated in Figure 2.

Referring again to Figure 3, the doll-like figure includes a main body, generally indicated by numeral 300. The main body 300 is shown constructed from two strips of fabric material, indicated by numerals 310 and 312, sewn together to form an inner chamber or cavity, not shown, for containing stuffing material. Main body 300 is illustrated to include the "belly" portion 305, including bottom leg appendages 306 and 307, of the doll-like figure 200. Leg 210 may also be constructed from two strips of fabric material, indicated by numerals 318 and 320, sewn together to form an inner chamber not shown; and leg 212 may also be constructed from two strips of fabric material, indicated by numerals 314 and 316, sewn together to form an inner chamber not shown. Each of the aforementioned inner chambers are filled with a selected stuffing material as described previously for the desired effect or feeling, and to give the body parts the three dimensional characteristic. It should be noted that the bottom leg appendages identified by strips of fabric material 314 and 318 may be integral with material strip 310.

In the preferred embodiment of the present invention, at least one of the strips of material that forms any part of the doll-like figure outer surface is chamois fabric material as will be subsequently described. For the exemplary doll-like figure 200 of a mouse illustrated in Figure 3, only fabric strip 310 may be chamois fabric. Alternatively, other body parts may be chamois fabric, for example strips 314 and 318, which form in part legs 210 and 212. Of course, the entire doll-like figure may be made entirely of chamois fabric material.

In the preferred embodiment of the invention, the three dimensional doll-like figure, e.g., the mouse like figure illustrated in Figures 2 and 3, is a soft bellied figure of an animal or the like where the belly of the figure is chamois. Referring to Figure 3, preferably a single strip or piece of fabric material 310 of the doll-like figure 200 forms the underside belly 305 of the doll-like figure 200, in addition to all of the leg appendages 206, 208, 210, and 212 - i.e., strip 310 is preferably integral with strips 316 and 318 thereby forming the underside of all of the leg appendages.

To further illustrate the preferred embodiment of the innovation, a porpoise figure (not shown) may be comprised of two strips or pieces of fabric - a chamois strip for the underside or belly of the porpoise, and another strip of material completing the doll-like figure. In turn, these are sewn together to form a chamber for containing a selected stuffing material - preferably to be under-stuffed. Of course, the reverse may be true. Also, if desired the entire porpoise may be made of strips of optical grade chamois.

Chamois-like fabric material is well know in the art, and it has many applications as a highly absorbent material as particularly described in U.S. Patent 5,687,445, entitled "Lens Wipe," issued to Hocking. Hocking teaches the use of a lens wiping material made from sheepskin or lambskin, split before tanning. The material is intended to be tanned so as to produce a soft absorbent material for removal of wetness from eyewear. A companion application of a chamois, as is well known, is its use as a final wiping stage of an automobile after a car wash because of its highly absorbent characteristic that minimizes any streaking left after wiping.

Another application of chamois is taught in U.S. Patent 5,201,093, entitled, "Video Game Console and Cartridge Cleaning Kit," issued to Wells. A chamois fabric material is

used, in part, as a wand cover, for absorbing a cleaning fluid for cleaning electrical contacts associated with video game electronic components.

Of course, since chamois fabric material is leather, it may be formed or sewed into any desired shape like any other leather. An example of the latter is illustrated in U.S.

Patent 5,074,249, entitled, "Toy and Method for Making the Toy," issued to McMahon.

This patent teaches use of a chamois material as the basis of a toy for a cat. The chamois is simply rolled to form a log like roll and modified to create a mouse like effect.

Before proceeding, it should be understood, as used herein, that "chamois" is intended to refer to any leather - i.e., an animal skin dressed for use. In the preferred embodiments of the invention, "chamois" is intended to mean skin from a chamois (goat like antelope) or sheepskin. However, other animal ski products, which have the intended characteristics, are intended to be within the meaning of chamois as used in accordance with the preferred embodiment of the present invention.

In accordance with the present invention, it has been discovered that a chamois skin, or the like, may be dressed in accordance with a specified dressing process to yield an optical grade chamois fabric material. In the preferred embodiment of the invention, optical grade chamois is obtained from Hutchings & Harding LDT, Sawston, Cambridge CB2 4HN England, which was established in 1897. Hutchings & Harding LDT produces a chamois fabric material specified as "CLUT" which is prepared by the Manufacturer's secret process, and is believed to include double brushing or buffing of the animal skin, Further, the skin is tanned in fish oil, and more specifically cod oil.

It was found that the aforementioned chamois, produced by the Hutchings & Harding LDT, company may be utilized as an optical grade cleaning fabric which has

excellent properties for cleaning optical grade display screen surfaces, including, but not limited to, computer monitor display screens, flat panel laptop computer display screens, television screens, and the like. Application of the aforementioned optical grade chamois for wiping and cleaning such screens permits cleaning of the display screen with minimal degradation, if any, of the optical qualities of the display screen.

In accordance with the preferred method of the present invention, a large cloth of the chamois fabric material, e.g. 6 square feet, is first inspected for quality by an independent chamois inspection service, e.g., SGS, United Kingdom LTD. In turn the received material after the preliminary inspection is visually inspected for imperfections, i.e. rough surfaces and loss of buffed, uneven grain, and/or soft material. This process is to identify those portions of the incoming chamois material that has uniform strength and consistency of surface so as to be considered an optical grade chamois fabric having a minimal degrading effect , if any, upon the optical grade display screen due to wiping of the display screen surface with the optical grade chamois.

From the remainder of the fabric, excluding the imperfections, pieces of the chamois fabric material is utilized for the optical grade chamois fabric employed in the display screen cleaning tool of the present invention, and more specifically to the bellies of the aforementioned doll-like figures.

As illustrated above, In one embodiment of the present invention the optical grade chamois fabric material is configured or constructed so as to serve as a body part of a selected three-dimensional figure which forms an outer surface of the three-dimensional figure, and in turn serve as a display screen cleaning tool. In another embodiment of the present invention the optical grade chamois fabric material is configured so as to form a

disc-shaped structure with an opening for the insertion of fingers to facilitate the cleaning of a display screen.

It should be noted that the stuffing material may be chosen from a wide variety of materials, including, but not limited to cotton, polyester fiber, and bean like material.

- 5 The material is intended to provide a pliant three-dimensional shape that may hang over or sit /lay on ledges and the like - e.g., a computer monitor.

It should be noted that the stuffed doll-like figure as illustrated in Figure 1 may take on any desired three-dimensional configuration extending from animals, birds, and including inanimate objects such as a computer terminal as illustrated in U.S. Patent No. 5,647,786, entitled, " Stuffed Personal Computer Toy. The doll-like figure may be constructed by attaching several bodies together by sewing and/or "hook and loop" fastener materials, such as Velcro™. The stuffed doll-like figure may either be first constructed of several different material pieces sewed together and then stuffed, thereby exhibiting several different body portions, or may alternatively be several different bodies sewed together or attached or fastened together. It should be obvious to those skilled in the art that there is a wide range of manufacturing techniques in the construction of the doll-like figure(s) in accordance with the present invention.

As indicated earlier, the optical grade like chamois may be provided by truly chamois animal skins or other animal skins, as well as other materials other than animal skins which have the intended properties. The quality of the chamois like material is of course a matter of economics and performance benefits.

While the present invention has been particularly shown and described with reference to the accompanying figures, it will be understood, however, that other

modifications thereto are of course possible, all of which are intended to be within the true spirit and scope of the present invention. Various changes in form and detail may be made therein without departing from the true spirit and scope of the invention as defined by the appended claims.

CLAIMS

We Claim:

1. A method of making a display screen cleaning tool for cleaning the surface of a display screen comprising the steps of:

assembling one or more strips of a fabric material to form a selected doll-like figure body including outer body surface portions and at least one inner chamber, wherein one of said strips is composed of soft pliant leather having chamois like characteristics;

filling said at least one inner chamber with a selected quantity of stuffing material so as to provide said doll-like figure body, at least in part, with a three dimensional shape, which may be utilized as a pliant cleaning tool for wiping a display screen; and

sealing said at least one inner chamber so as to retain said stuffing material within said body.

2. The method of claim 1 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

3. The method of claim 1 wherein said soft pliant leather is chamois produced by Hutchings & Harding LDT so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning
5 tool.

4. The method of claim 1 wherein said soft pliant leather is chamois-like leather.

5. The method of claim 1 wherein more than one of said one or more strips of a
10 fabric material are assembled together by sewing.

6. A doll-like figure for cleaning or wiping the surface of a display screen comprising:
strips of fabric material sewed together so as to form a doll-like figure body having
outer surface portions and at least one inner chamber, and wherein at least
15 one of said strips of fabric material is soft pliant leather having chamois like
characteristics; and
a selected quantity of stuffing material within said at least one inner chamber so
as to provide said doll-like figure with a three dimensional shape which is
squeezable for providing a pliant cleaning tool for wiping a display screen.

7. The doll-like figure of claim 6 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

5

8. The doll-like figure of claim 6 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

9. The doll-like figure of claim 6 wherein said soft pliant leather is chamois produced by Hutchings & Harding LDT so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

10. The doll-like figure of claim 6 wherein said soft pliant leather is chamois-like leather.

11. The doll-like figure of claim 6 wherein more than one of said one or more strips of a fabric material are assembled together by sewing.

12. A method of making a display screen cleaning tool for cleaning the surface of a display screen comprising the steps of:

sewing together a plurality of strips of fabric material to form a disk-like shaped body having first and second opposing sides and forming an inner pocket, wherein one of said strips is disk-like shaped and consists of a soft pliant leather having chamois like characteristics; and sewing the remaining ones of said strips to said disc-like shaped strip so as to provide a disc-like appearing shape and have an access opening along the diameter of said disc-like appearing shape so as to permit fingers of a human hand to access said inner pocket.

13. The method of claim 12 wherein said disk-like shape has a diameter substantially like the diameter of a compact disc so as to fit a compact disc plastic jacket.

14. A display screen cleaning tool for cleaning the surface of a display screen comprising the steps of:

a first disc-shaped shaped strip of material consisting of a soft pliant leather having chamois like characteristics; at least one or more backing strips of material sewn to a circumferential edge of said first disc-shaped shaped strip of material so as to form a disc-shaped inner pocket; and

an access slit aligned with a diameter of said a first disc-shaped shaped strip and associated with said at least one or more backing strips so as to access said pocket with fingers of a human hand.

5 15. The display screen cleaning tool of claim 14 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

10 17. The display screen cleaning tool of claim 14 wherein said soft pliant leather is chamois produced by Hutchings & Harding LDT so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

15 17. The display screen cleaning tool of claim 14 wherein said soft pliant leather is chamois-like leather.

18. A soft-bellied under-stuffed doll-like figure for cleaning or wiping the surface of a display screen comprising:

strips of fabric material sewed together so as to form a doll-like figure body having an outer surface portions and at least one inner chamber, and wherein at least one of said strips of fabric material is soft pliant leather having chamois like characteristics for forming the underside belly of said soft-bellied under-stuffed doll-like figure ; and

a selected quantity of stuffing material within said at least one inner chamber so as to provide said doll-like figure with a three dimensional shape which is squeezable for providing a pliant cleaning tool for wiping a display screen.

19. The soft-bellied under-stuffed doll-like figure of claim 18 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

20. The soft-bellied under-stuffed doll-like figure of claim 18 wherein said soft pliant leather is processed so as to have optical grade abrasive characteristics so as to minimize any degradation of the surface of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

21. The doll-like figure of claim 18 wherein said soft pliant leather is chamois produced by Hutchings & Harding LDT so as to minimize any degradation of the surface

of a display screen resulting from cleaning or wiping said screen with said display screen cleaning tool.

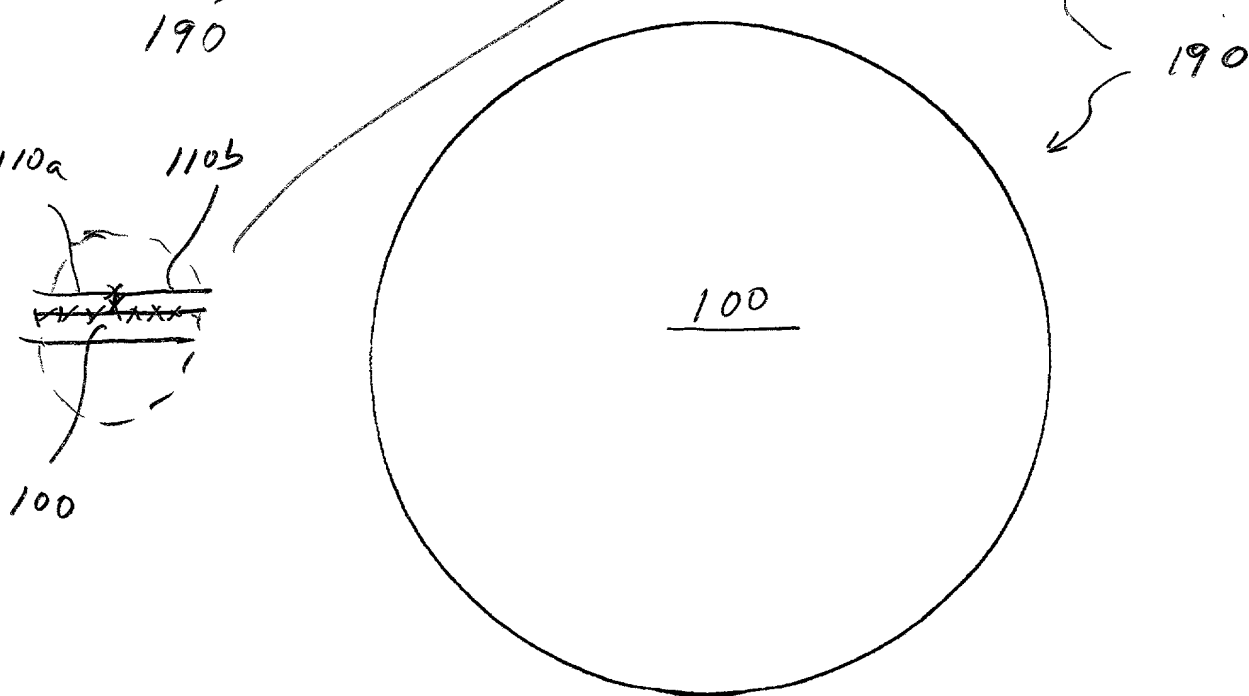
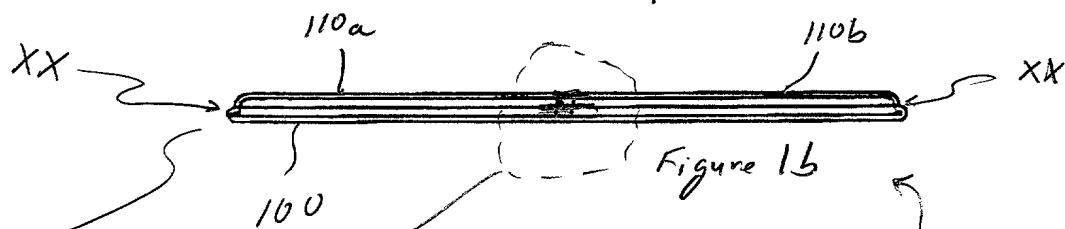
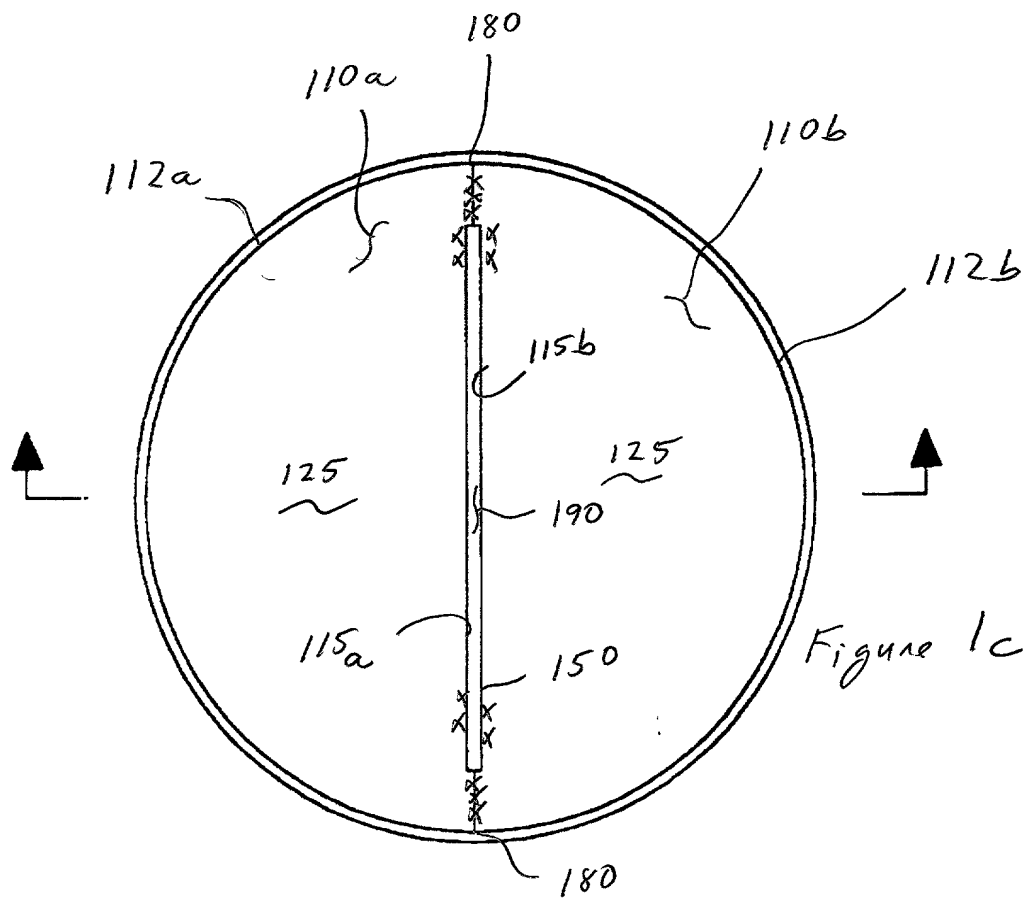
22. The doll-like figure of claim 18 wherein said soft pliant leather is chamois-like
5 leather.

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ABSTRACT OF THE DISCLOSURE

An optical grade chamois like fabric is employed as a display screen cleaning tool. In one embodiment of the invention, an optical grade chamois like fabric is utilized, at least in part, to form a body having an inner chamber capable of being filled
5 with a stuffing material so as to form a three dimensional figure, and an outer surface for wiping the display screen. In another embodiment of the invention, the display screen cleaning tool is embodied in a pocket style configuration for permitting the insertion of fingers therein to facilitate the cleaning tool.

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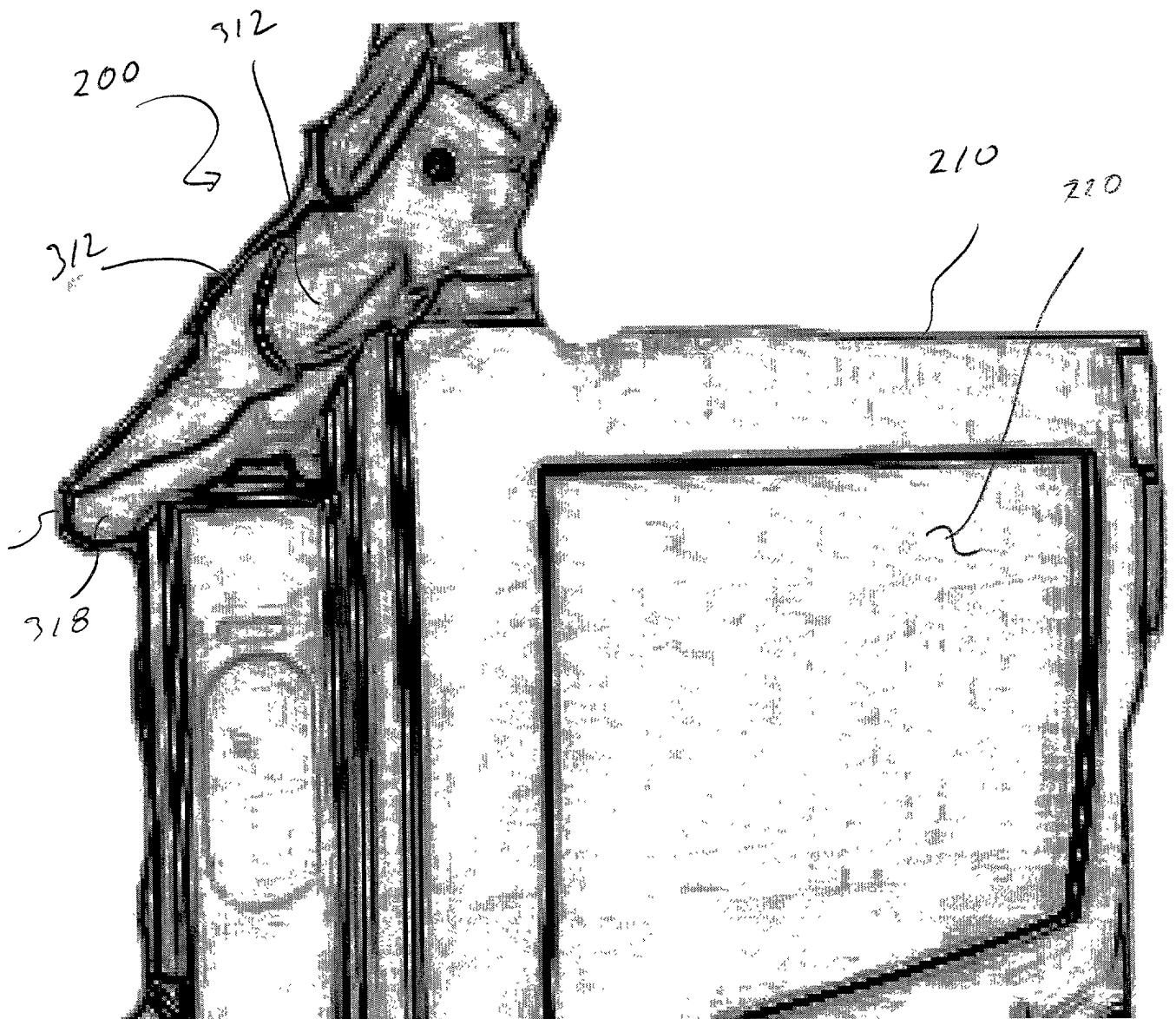


Figure 2

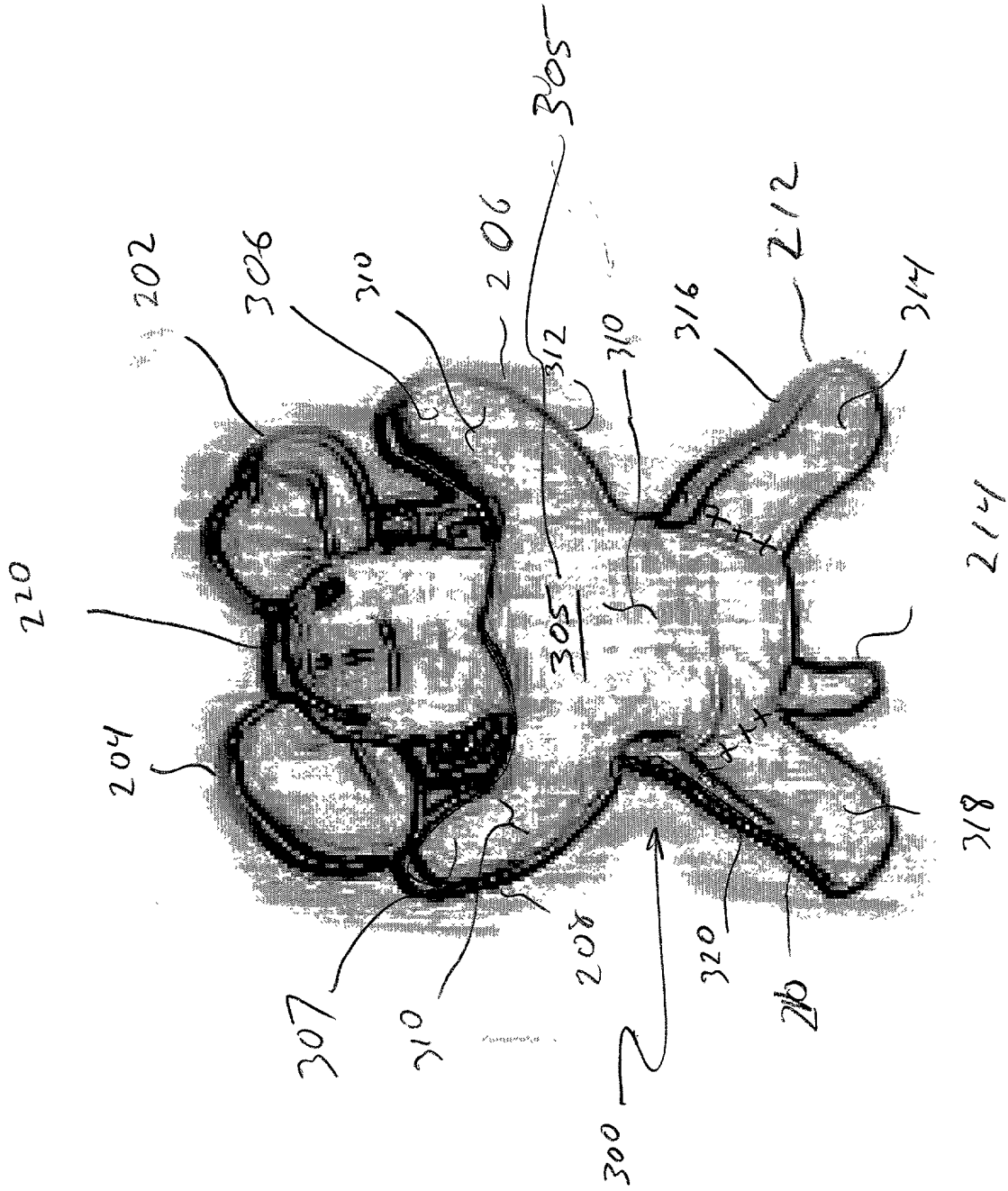


Figure 3

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PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

98-012 US

First Named Inventor

THOMAS W. DEVANEY

COMPLETE IF KNOWN

Application Number

/

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DISPLAY SCREEN CLEANING TOOL

the specification of which

(Title of the Invention)

☒ is attached hereto
OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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[Page 1 of 2]

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